

CLAIMS

What is claimed is:

1. A device for manufacturing a pocket door assembly, comprising:
 - a horizontal header element having a plurality of markings for fitting a pocket door;
 - a track element having said plurality of markings for fitting said pocket door, said track element configured to be fixedly coupled to said horizontal header;
 - a vertical back support;
 - a first gusset that is fixedly coupled to said horizontal header element and said vertical back support, said first gusset configured to generate a square corner;
 - a horizontal bottom element having said plurality of markings for fitting said pocket door;
 - a second gusset that is fixedly coupled to said horizontal bottom element and said vertical back support, said second gusset configured to generate another square corner; and
 - a pair of vertical supports that are substantially parallel to said vertical back support, said pair of vertical supports configured to be fixedly coupled to said horizontal header element and said horizontal bottom element.
- 20 2. The device of claim 1 wherein said track element is configured to receive a plurality of wheels that are fixedly coupled to a pocket door.

3. The device of claim 1 wherein said plurality of markings are configured to fit a plurality of standard sized pocket doors.

5 4. The device of claim 1 wherein said first gusset and said second gusset further comprises a pair of first gussets and a pair of second gussets.

5. The pocket door assembly of claim 1 that is fit with a door frame and a plurality of sheets of plywood.

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6. The pocket door assembly of claim 5 configured to be installed to fit a 2 X 4 wall.

7. The pocket door assembly of claim 5 configured to be installed to fit a 2 X 6
15 wall.

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8. An apparatus for manufacturing a pocket door assembly that is received by a framed structure, said apparatus comprising:

 a horizontal header element having a plurality of markings for fitting a pocket door, said horizontal header element configured to interface with said framed structure;

 a track element having said plurality of markings for fitting said pocket door, said track element configured to be fixedly coupled to said horizontal header and configured to be slidably coupled to said pocket door;

 a vertical back support configured to interface with said framed structure;

10 a first means for generating a square corner by fixedly coupling said horizontal header element to said vertical back support;

 a horizontal bottom element having said plurality of markings for fitting said pocket door;

 a second means for generating a square corner by fixedly coupling said horizontal bottom element to said vertical back support; and

15 a pair of vertical supports that are substantially parallel to said vertical back support, said pair of vertical supports configured to be fixedly coupled to said horizontal header element and said horizontal bottom element.

9. The apparatus of claim 8 wherein said first means and second means for generating a square corner comprises a group of connection elements that consist of gussets, plates, rods, stiffeners, angles, brackets, and any other connection element.

5 10. The apparatus of claim 9 wherein said first means and second means for generating a square corner comprises a group of connectors that consist of screws, nails, bolts, welds, rivets or other fastening elements.

11. The apparatus of claim 8 wherein said plurality of markings are configured to 10 fit a plurality of standard sized pocket doors.

12. The apparatus of claim 8 that is fit with a door frame and a plurality of sheets of plywood for installation in said framed structure.

15 13. The apparatus of claim 12 configured to be installed to fit a 2 X 4 wall.

14. The apparatus of claim 12 configured to be installed to fit a 2 X 6 wall.

15. A method for manufacturing a pocket door assembly that is installed in a framed structure, comprising:

providing a horizontal header element, a track element, and a horizontal bottom element, each of said elements having a plurality of markings for fitting a pocket door

5 with different dimensions;

determining a dimension for said pocket door;

using said dimension to determine which of said plurality of markings is a cut-off point for said horizontal header element, said track element, and said horizontal bottom element;

10 cutting at said cut-off point;

fixedly coupling said track element to said horizontal header element

providing a vertical back support and a pair of vertical supports;

fixedly coupling said vertical back support, said pair of vertical supports, said horizontal header element with said track element, and said horizontal bottom element

15 so that each of said horizontal elements are substantially orthogonal to each of said vertical supports.

16. The method of claim 15 further comprising fitting said pocket door assembly with a door frame and one or more sheets of plywood.

17. The method of claim 16 further comprising installing said pocket door assembly into a 2X 4 wall.
18. The method of claim 16 further comprising installing said pocket door assembly into a 2 X 6 wall.
19. The method of claim 15 wherein said fixedly coupling said vertical back support, said pair of vertical supports, said horizontal header element with said track element, and said horizontal bottom element so that each of said horizontal elements 10 are substantially orthogonal to each of said vertical supports, further comprises using a group of connectors and a group of connecting elements for manufacturing said pocket door assembly.
20. The method of claim 19 wherein said group of connecting elements comprises 15 a plurality of gussets said group of connectors comprises a plurality of screws.